

#### ABSTRACT OF THE DISCLOSURE

A connector for electrically connecting to pads formed on a semiconductor device includes a substrate and an array of contact elements of conductive material formed on the substrate. Each contact element includes a base portion attached to the top surface of the substrate and a curved spring portion extending from the base portion and having a distal end projecting above the substrate. The curved spring portion is formed to curve away from a plane of contact and has a curvature disposed to provide a controlled wiping action when engaging a respective pad of the semiconductor device.